

In the Claims:

1. (Currently Amended) Gas sensor having first and second sensor regions responding to at least one reactive exhaust gas constituent and having a catalytic agent for converting reactive exhaust gas constituents with a higher catalytic activity in said first sensor region, wherein characterized in that the first sensor region comprises-pores in which traces of at least one catalytically active substance are present as the catalytic agent and further wherein the sensor regions are independent of one another and comprise a resistive semiconductor layer.
2. (Currently Amended) Gas sensor according to ~~the preceding~~ claim 1 wherein the second sensor region also comprises pores in which traces of at least one catalytically active substance are present, said and the concentration of catalytically active substance being is-lower than in the first region layer.
3. (Currently Amended) Gas sensor according to ~~the preceding~~ claim 1, wherein the concentration of catalytically active substance in the second sensor region is zero.
4. (Previously Amended) Gas sensor according to claim 1, wherein a platinum metal is employed as the catalytically active material, which is produced by thermolysis of a platinum-containing compound introduced in fluid form into the pores.
5. (Cancelled)
6. (Currently Amended) Gas sensor according to claim 1, wherein the sensor region is ~~manufactured as a thick-film semiconductor with~~ having a silk-screened pore formation by silk screening.

7. (Currently Amended) Gas sensor according to ~~the preceding~~ claim 1, wherein the sensor region is manufactured of strontium titanate.

8. (Currently Amended) Gas sensor arrangement having a gas sensor according to ~~the preceding~~ claim 1, which includes with a parallel evaluation circuit for parallel evaluation of the resistance values of both sensor regions.